

## DECLARATION AND POWER OF ATTORNEY

Page 1 of 2

**DECLARATION AND POWER OF ATTORNEY****X Declaration submitted with initial filing****Attorney Docket No.: UCF-306CIP****First Named Inventor: MARTIN RICHARDSON**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter, which is claimed and for which a patent is sought on the invention entitled: **EUV, XUV, AND X-RAY WAVELENGTH SOURCES CREATED FROM LASER PLASMA PRODUCED FROM LIQUID METAL SOLUTIONS, AND NANO-SIZE PARTICLES IN SOLUTIONS** the specification of which

**X Attached hereto.**

I hereby state that I have read and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information, which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

NONE

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PT international filing date of this application:

U.S. Application, SN: 09/881,620 filed June 14, 2001, and  
U.S. Provisional Application, SN: 60/242,102 filed October 20, 2000

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorneys and agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

**BRIAN S. STEINBERGER**  
Registration Number 36,423

**ROLAND A. DEXTER**  
Registration Number 17,668

**JOYCE P. MORLIN**  
Registration Number 29,170

I do not know and do not believe that this invention was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof, or more than one year prior to this application, or in public use or on sale in the United States more than one year prior to this application, that this invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to this application.

Declaration and Power of Attorney Pg. 2 of 2  
DECLARATION AND POWER OF ATTORNEY

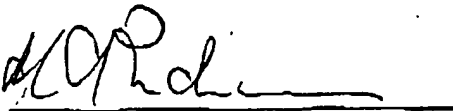
Atty. Dkt. No. UCF-306C17

The Patent and Trademark Office is requested to direct all mail and telephone calls to:

Law Offices of Brian S. Steinberger  
Registered Patent Attorneys  
Brian S. Steinberger, Registration No. 36,423  
Roland A. Dexter, Registration No. 17,668  
Joyce P. Morlin, Registration No. 29,170  
101 Brevard Avenue  
Cocoa, Florida 32922  
Client No.: 23717  
(321) 633-5080  
FAX: (321) 633-9322

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Inventor: MARTIN  
RICHARDSON  
Citizenship: U.S.  
Residence address: 523 Valley Stream Drive  
Geneva, FL 32732, U.S.

  
\_\_\_\_\_  
Signature

Date: 10/18/01

UCF-306CIP

X Assignment submitted with initial filing

Attorney Docket No.: UCF-306CIP

First Named Inventor: MARTIN RICHARDSON

### ASSIGNMENT

As a below named inventor(s) of an invention or improvement entitled: **EUV, XUV, AND X-RAY WAVELENGTH SOURCES CREATED FROM LASER PLASMA PRODUCED FROM LIQUID METAL SOLUTIONS, AND NANO-SIZE PARTICLES IN SOLUTIONS** the specification of which is filed herewith, and for which is

X Attached hereto.

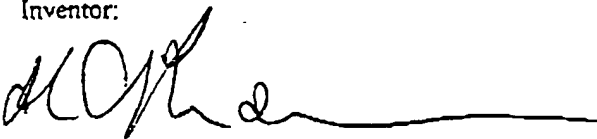
and for which we have executed an application for Letters Patent of the United States of America on even date herewith; and WHEREAS, UNIVERSITY OF CENTRAL FLORIDA, a state university organized and existing under the laws of the state of Florida, having its principal office and place of business in the City of Orlando, State of Florida, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said UNIVERSITY OF CENTRAL FLORIDA, its successor, legal representatives, and assigns, my entire right, title, and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I/we hereby further covenant and agree that I/we will communicate to said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Inventor:



MARTIN RICHARDSON

Date: 10/18/01



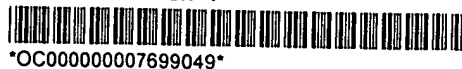
## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/082,658	10/19/2001	2882	370	UCF-306CIP	6	18	1

CONFIRMATION NO. 8661

## FILING RECEIPT



\*OC000000007699049\*

LAW OFFICES OF BRIAN S. STEINBERGER  
Registered Patent Attorneys  
101 Brevard Avenue  
Cocoa, FL 32922

Date Mailed: 03/22/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Martin Richardson, Geneva, FL;

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CIP OF 09/881,620 06/14/2001  
AND CLAIMS BENEFIT OF 60/242,102 10/20/2000

## Foreign Applications

If Required, Foreign Filing License Granted 03/22/2002

Projected Publication Date: 07/04/2002

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

## Title

EUV, XUV, and X-ray wavelength sources created from laser plasma produced from liquid metal solutions, and nano-size particles in solutions

Preliminary Class

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



UCF-306CIP

MARCH 15, 2002

PTAS

BRIAN S. STEINBERGER, ESQ.  
101 BREVARD AVENUE  
COCOA, FL 32922

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov



\*102010031A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/19/2001

REEL/FRAME: 012481/0162  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RICHARDSON, MARTIN

DOC DATE: 10/18/2001

ASSIGNEE:

CENTRAL FLORIDA UNIVERSITY OF  
4000 CENTRAL FLORIDA BLVD.  
ADM-243  
ORLANDO, FLORIDA 32816

SERIAL NUMBER: 10082658  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-14-2002

Atty. Dkt. No. UCF-306CIP

RECC



SHEET

102010031

10-1901

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. NAME OF CONVEYING PARTY(IES):

MARTIN RICHARDSON

2. NAME AND ADDRESS OF RECEIVING PARTY(IES).

UNIVERSITY OF CENTRAL FLORIDA  
ADM-243  
4000 CENTRAL FLORIDA BLVD.  
ORLANDO FL 32816Additional name(s) of conveying party(ies)  
attached? Yes ☒ NoAdditional name(s) and address(es)  
attached? Yes ☒ No

3. NATURE OF CONVEYANCE:

☒ ASSIGNMENT  
☐ SECURITY  
☐ AGREEMENT  
☐ MERGER  
☐ CHANGE OF NAME  
☐ OTHER

EXECUTION DATE: 10/18/01

4. IF THIS DOCUMENT IS BEING FILED TOGETHER WITH A NEW APPLICATION, THE EXECUTION DATE OF THE APPLICATION IS: 10/19/01

ATTORNEY DOCKET NO. UCF-306CIP

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes ☐ No5. Name and address of party to whom  
correspondence concerning document  
should be mailed:Brian S. Steinberger, Esq.  
101 Brevard Ave  
Cocoa, FL 329226. Total number of applications and patents  
involved: one

7. Total Fee (37 CFR 3.41) .... \$40.00

☒ Enclosed  
☐ Authorized to be charged to account

8. Account No.

9. STATEMENT AND SIGNATURE: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

BRIAN S.  
STEINBERGER

(Name of person signing)

Signature

Date

Total number of pages including cover sheet, attachments, and document: TWO

03/05/2002 MEEBREM1 00000004 10082658

02 FC:581

40.00 DP

UCF-306CIP

X Assignment submitted with initial filing

Attorney Docket No.: UCF-306CIP

First Named Inventor: MARTIN RICHARDSON

### ASSIGNMENT

As a below named inventor(s) of an invention or improvement entitled: **EUV, XUV, AND X-RAY WAVELENGTH SOURCES CREATED FROM LASER PLASMA PRODUCED FROM LIQUID METAL SOLUTIONS, AND NANO-SIZE PARTICLES IN SOLUTIONS** the specification of which is filed herewith, and for which is

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and for which we have executed an application for Letters Patent of the United States of America on even date herewith; and WHEREAS, UNIVERSITY OF CENTRAL FLORIDA, a state university organized and existing under the laws of the state of Florida, having its principal office and place of business in the City of Orlando, State of Florida, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said UNIVERSITY OF CENTRAL FLORIDA, its successor, legal representatives, and assigns, my entire right, title, and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I/we hereby further covenant and agree that I/we will communicate to said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Inventor:



MARTIN RICHARDSON

Date:

10/18/01